IN THE CLAIMS

Please amend the claims as follows:

Claims 1-31 (canceled)

Claim 32 (currently amended): An information medium for recording stream data of MPEG-TS in accordance with a hierarchical data structure, comprising:

a data area configured to store a stream object corresponding to the stream data, the stream object including one or more stream data units, and the one or more stream data units including one or more pairs of a time-stamp and a transport stream packet; and

a management area configured to store management information of the stream object, wherein,

said management information includes an area configured to store copy management information, [[and]]

at least one of the stream data units includes a header containing time-related information with respect to the transport stream packet,

the at least one stream data unit stores a second data unit including information of the transport stream pack, and

the at least one stream data unit includes information indicating a copyright state of the information of the transport stream packet.

Claim 33 (currently amended): A method of recording stream data on an information medium including,

a data area configured to store a stream object corresponding to the stream data, the stream object including one or more stream data units, and the one or more stream data units including one or more pairs of a time-stamp and a transport stream packet, and

a management area configured to store management information of the stream object, wherein,

said management information includes an area configured to store copy management

information, [[and]]

at least one of the stream data units includes a header containing time-related

information with respect to the transport stream packet,

the at least one stream data unit stores a second data unit including information of the

transport stream pack, and

the at least one stream data unit includes information indicating a copyright state of

the information of the transport stream packet,

the method comprising:

recording the stream data in the data area; and

recording the management information in the management area.

Claim 34 (currently amended): A method of reproducing stream data from an

information medium including,

a data area storing a stream object corresponding to the stream data, the stream object

including one or more stream data units, and the one or more stream data units including one

or more pairs of a time-stamp and a transport stream packet, and

a management area storing management information of the stream object, wherein,

said management information includes an area configured to store copy management

information, [[and]]

at least one of the stream data units includes a header containing time-related

information with respect to the transport stream packet,

the at least one stream data unit stores a second data unit including information of the

transport stream pack, and

the at least one stream data unit includes information indicating a copyright state of

the information of the transport stream packet,

the method comprising:

reproducing the management information from the management area; and

reproducing the stream data from the data area.

Claim 35 (currently amended): An apparatus for recording stream data on an information medium including,

a data area configured to store a stream object corresponding to the stream data, the stream object including one or more stream data units, and the one or more stream data units including one or more pairs of a time-stamp and a transport stream packet, and

a management area configured to store management information of the stream object, wherein,

said management information includes an area configured to store copy management information, [[and]]

at least one of the stream data units includes a header containing time-related information with respect to the transport stream packet,

the at least one stream data unit stores a second data unit including information of the transport stream pack, and

the at least one stream data unit includes information indicating a copyright state of the information of the transport stream packet,

the apparatus comprising:

a first recorder block configured to record the stream data in the data area; and

a second recorder block configured to record the management information in the management area.

Claim 36 (currently amended): An apparatus for reproducing stream data from an information medium including,

a data area storing a stream object corresponding to the stream data, the stream object including one or more stream data units, and the one or more stream data units including one or more pairs of a time-stamp and a transport stream packet, and

a management area storing management information of the stream object, wherein,

said management information includes an area configured to store copy management information, [[and]]

at least one of the stream data units includes a header containing time-related information with respect to the transport stream packet,

the at least one stream data unit stores a second data unit including information of the transport stream pack, and

the at least one stream data unit includes information indicating a copyright state of the information of the transport stream packet,

the apparatus comprising:

a first reproducer block configured to reproduce the management information from the management area; and

a second reproducer block configured to reproduce the stream data from the data area.

Claims 37-41 (canceled)